

ADMINISTRATIVE RECORD INDEX

for the

NATIONAL STARCH & CHEM COMPANY OPERABLE UNIT 3 NPL Site

Vol. 1 3.0 REMEDIAL INVESTIGATION (RI)

3.1 Correspondence

- 0001-* 1. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (June 27, 1990). Concerning proposed sampling methodology for source characterization of the Northeast tributary.
- 0004-* 2. Letter from Barbara Benoy, EPA Region IV, to Lee Crosby, State of North Carolina Department of Environment, Health, and Natural Resources (October 28, 1991). Concerning need for state participation in a site visit.
- 0006-* 3. Letter from Barbara Benoy, EPA Region IV, to Bruce Nicholson, State of North Carolina Department of Environment, Health, and Natural Resources (November 18, 1991). Concerning site visit to take place November 20, 1991.
4. Cross-Reference: Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (October 9, 1992). Concerning requests for the Work Plan and planning for additional field work. [Filed and cited as entry number 12 in 3.4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports]

3.2 Sampling and Analysis Data

1. Verified Sampling Data, Chain of Custody Forms and Quality Assurance and Quality Control Documents related to Verified Sampling Data are currently located at EPA Region IV Environmental Services Division, Athens, Georgia. Such documentation will be made available for review upon request sent to the Remedial Project Manager for the National Starch and Chemical Company Site Superfund Site, Region IV, U.S. EPA, 345 Courtland Street, Atlanta, Georgia 30365.

3.4 Work Plans and Progress Reports

- 0014-* 1. Letter from Barbara Benoy, EPA Region IV, to Tom Augsburger, US Fish and Wildlife Service (January 22, 1992). Concerning request for review of the Work Plan.

3.4 Work Plans and Progress Reports (cont'd.)

- 0016- 2. Letter from Bruce Nicholson, State of North Carolina Department of Environment, Health, and Natural Resources, to Barbara Benoy, EPA Region IV (February 10, 1992). Concerning comments to the draft Work Plan.
- 0019- 3. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (March 3, 1992). Concerning comments to the Work Plan.
- 0025- 4. "Final Work Plan for the Third Operable Unit; National Starch and Chemical Company Site; Cedar Springs Road; Salsibury, North Carolina," IT Corporation (April 3, 1992). Includes appended Field Sampling Plan (FSP), Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP).
- 0230- 5. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (April 8, 1992). Transmitting missing Table 4-1.
- 0232- 6. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (May 4, 1992). Concerning conditional approval of the Work Plan.
- 0236- 7. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (May 8, 1992). Concerning response to EPA comments to the Work Plan.
8. Cross-Reference: Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (September 16, 1992). Concerning comments to the draft Remedial Investigation Report and need for an addendum to the Work Plan to characterize the source of groundwater contamination. [Filed and cited as entry number 3 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]
- 0243- 9. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (September 29, 1992). Concerning proposed outline for Work Plan Addendum.
- 0246- 10. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (October 2, 1992). Concerning proposed Remedial Investigation approach and Field Sampling Plan (FSP) for the Work Plan Addendum.

3.4 Work Plans and Progress Reports (cont'd.)

- 0261 - 11. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (October 5, 1992). Concerning comments to the Work Plan and planning for additional field work.
- 0263 - 12. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (October 9, 1992). Concerning requests for the Work Plan and planning for additional field work.
- 0268- 13. "Final Work Plan Addendum for the Third Operable Unit; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation (November 1992).
- 0428- 14. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (November 16, 1992). Concerning comments to the Work Plan Addendum.
- 0436- 15. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (November 18, 1992). Concerning comments to the Work Plan Addendum.
- 0439- 16. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (November 18, 1992). Concerning acceptance of EPA comments to the Work Plan Addendum.
- 0441- 17. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (November 30, 1992). Concerning comment to the Work Plan Addendum.
- 0443- 18. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (November 30, 1992). Concerning need for a modification to the Work Plan Addendum to identify source of groundwater contamination not attributable to trench area soils covered under Operable Unit 2.
- 0445- 19. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (December 3, 1992). Concerning response to comments to the Work Plan Addendum.

VOL. 2 3.8 Interim Deliverables

1. Cross-Reference: "Data Evaluation of Surface Water, Sediment, and Soil Sampling of the Northeast Tributary; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation, appears as Appendix E of the Final Work Plan dated April 3, 1992, and is filed and cited as entry number 4 under 3.4 REMEDIAL INVESTIGATION - Work Plans and Progress Reports (October 2, 1990).
- 0457- 2. Letter from Darcy Duin, EPA Region IV, to Alex Samson, National Starch and Chemical Company (September 26, 1991). Concerning review of "Data Evaluation of Surface Water, Sediment, and Soil Sampling of the Northeast Tributary," report dated October 2, 1990.
- 0462- 3. Memorandum from Joan Dupont, EPA Region IV, to Barbara Benoy, EPA Region IV (March 25, 1993). Concerning review of "Draft Ecological Assessment of the Third Operable Unit: Aquatic Toxicity Testing".

3.10 Remedial Investigation (RI) Reports

- 0467- 1. "Draft Identification and Screening of Technologies and Process Options for Operable Unit 3; Supplement to the Draft Remedial Investigation Report for Operable Unit 3; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation (August 1992).
- 0523- 2. Letter from Bruce Nicholson, State of North Carolina Department of Environment, Health, and Natural Resources, to Barbara Benoy, EPA Region IV (September 8, 1992). Concerning comments to the draft Remedial Investigation Report.
- 0526- 3. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (September 16, 1992). Concerning comments to the draft Remedial Investigation Report and need for an addendum to the Work Plan to characterize the source of groundwater contamination.
- 0528- 4. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (October 1, 1992). Concerning comments to the draft Remedial Investigation Report.

3.10 Remedial Investigation (RI) Reports (cont'd.)

5. Cross-Reference: Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (October 2, 1992). Concerning proposed Remedial Investigation approach and Field Sampling Plan (FSP) for the Work Plan Addendum. [Filed and cited as entry number 10 in 3.4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports]
- 0540 - 6. Memorandum from Joan Dupont, EPA Region IV, to Barbara Benoy, EPA Region IV (October 5, 1992). Concerning comments to the draft Remedial Investigation Report with respect to risk review on ecological aspects.
- 0545 - 7. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (February 23, 1993). Concerning Remedial Investigation Report needs.
8. Cross-Reference: Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (February 24, 1993). Concerning outline of Risk Assessment and development of Preliminary Remediation Goals (PRGs). [Filed and cited as entry number 1 in 3.12 REMEDIAL INVESTIGATION (RI) - Endangerment Assessments]
- 0549 - 9. Letter from Barbara Benoy, EPA Region IV, to James Lee, US Department of the Interior (March 22, 1993). Concerning request for review of the draft Remedial Investigation Report.
- 0551 - 10. Memorandum from Joan Dupont, EPA Region IV, to Barbara Benoy, EPA Region IV (April 21, 1993). Concerning comments to the draft Remedial Investigation Report with respect to ground water contamination.
- 0557 - 11. Memorandum from Winston Smith, EPA Region IV, to Joseph Franzmathes, EPA Region IV (April 26, 1993). Concerning comments to draft Remedial Investigation Report with respect to air pathway.
- 0560 - 12. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (April 28, 1993). Transmitting compiled comments to the draft Remedial Investigation Report from EPA Region IV and State of North Carolina Department of Environment, Health, and Natural Resources.
- 0591 - 13. Letter from Jon Bornholm, EPA Region IV, to Alex Samson, National Starch and Chemical Company (May 26, 1993). Concerning reply to response to comments on the draft Remedial Investigation Report.

3.10 Remedial Investigation (RI) Reports (cont'd.)

- 0594-14. "Final Remedial Investigation Report for Operable Unit Three; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation (June 2, 1993). Volume 1 of 2, including Baseline Risk Assessment.
- Vol. 3 0936-15. "Final Remedial Investigation Report for Operable Unit Three; Volume 2 of 2; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation (June 2, 1993). Appendices to the Remedial Investigation Report.
- 1706-16. Letter from Jon Bornholm, EPA Region IV, to James Lee, US Department of the Interior (June 4, 1993). Concerning request to review the draft Remedial Investigation Report.
- 1708-17. Letter from Jon Bornholm, EPA Region IV, to Bruce Nicholson, State of North Carolina Department of Environment, Health, and Natural Resources (June 4, 1993). Concerning request to review the draft Remedial Investigation Report.
- 1710-18. Letter from Jon Bornholm, EPA Region IV, to Addressees (June 4, 1993). Concerning request for internal review of the draft Remedial Investigation Report.
- 1712-19. Letter from Bruce Nicholson, State of North Carolina Department of Environment, Health, and Natural Resources, to Jon Bornholm, EPA Region IV (June 16, 1993). Commenting on the Remedial Investigation Report.
- 1715-20. Letter from Jon Bornholm, EPA Region IV, to Alex Samson, National Starch and Chemical Company (July 7, 1993). Providing conditional approval of the Remedial Investigation Report dated June 2, 1993, with attached Nicholson letter dated June 16, 1993.

Vol. 4 3.12 Endangerment Assessments

- 0001-1. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (February 24, 1993). Concerning outline of Risk Assessment and development of Preliminary Remediation Goals (PRGs).
- 0014-2. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (March 4, 1993). Concerning response to letter dated February 24, 1993, outlining Risk Assessment and development of Preliminary Remediation Goals (PRGs).

3.12 Endangerment Assessments (cont'd.)

3. Cross-Reference: "Final Remedial Investigation Report for Operable Unit Three; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation (June 2, 1993). Volume 1 of 2, including Baseline Risk Assessment. [Filed and cited as entry number 14 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

4.0 FEASIBILITY STUDY (FS)

4.9 Feasibility Study (FS) Reports

- 0022- 1. Letter from Michael Sturdevant, IT Corporation, to Barbara Benoy, EPA Region IV (April 6, 1993). Concerning approach for Feasibility Study Report.
- 0031- 2. Letter from Barbara Benoy, EPA Region IV, to James Lee, US Department of the Interior (April 14, 1993). Concerning request for review of the Feasibility Study Report.
- 0033- 3. Letter from James Lee, US Department of the Interior, to Barbara Benoy, EPA Region IV (May 6, 1993). Concerning comments to the draft Feasibility Study Report.
- 0035- 4. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (May 14, 1993). Concerning comments to the draft Feasibility Study Report.
- 0049- 5. Letter from Barbara Benoy, EPA Region IV, to Alex Samson, National Starch and Chemical Company (May 18, 1993). Transmitting comments of State of North Carolina Department of Environment, Health, and Natural Resources to the draft Feasibility Study Report.
- 0053- 6. Letter from Jon Bornholm, EPA Region IV, to Alex Samson, National Starch and Chemical Company (June 10, 1993). Concerning comments to the draft Feasibility Study Report.
- 0058- 7. "Final Feasibility Study Report for Operable Unit Three; National Starch and Chemical Company Site; Cedar Springs Road; Salisbury, North Carolina," IT Corporation (June 21, 1993).

4.0 FEASIBILITY STUDY (FS)

4.9 Feasibility Study (FS) Reports (cont'd.)

- 0683- 8. Facsimile from Michael Sturdevant, IT Corporation, to Jon Bornholm, EPA Region IV (July 2, 1993). Transmitting revised long-term monitoring costs for soil and groundwater.

VOL. 5 4.10 Proposed Plans for Selected Remedial Action

- 0695- 1. "Superfund Proposed Plan Fact Sheet; Groundwater Remediation for Operable Unit 3 for the National Starch & Chemical Company Superfund Site; Salisbury, Rowan County, North Carolina," EPA Region IV (July 1993).

5.0 RECORD OF DECISION (ROD)

5.9 Record of Decision (ROD)

- 0714- 1. "Record of Decision; Remedial Alternative Selection; Operable Unit #3; National Starch & Chemical Company Site; Salisbury, Rowan County, North Carolina," EPA Region IV (October 7, 1993). Concerning Record of Decision, including Responsiveness Summary and appended transcript for public meeting to discuss remedy alternatives held August 3, 1993.

13.0 COMMUNITY RELATIONS

13.7 News Clippings and Press Releases

- 0888- 1. "Announcement," EPA Region IV (June 22, 1993). Concerning notification of change of Remedial Project Manager.

13.8 Public Meetings

1. Cross-Reference: "Record of Decision; Remedial Alternative Selection; Operable Unit #3; National Starch & Chemical Company Site; Salisbury, Rowan County, North Carolina," EPA Region IV (October 7, 1993). Concerning Record of Decision, including Responsiveness Summary and appended transcript for public meeting to discuss remedy alternatives held August 3, 1993. [Filed and cited as entry number 1 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)]

13.9 Fact Sheets

- 0894- 1. "Superfund Update Fact Sheet; National Starch and Chemical Company; Salisbury, Rowan County, North Carolina," EPA Region IV (June 1991). Summarizes work to date on all three operable units.
- 0901- 2. "Superfund Fact Sheet; Findings of Operable Unit #3; Remedial Investigation; National Starch and Chemical Company; Salisbury, Rowan County, North Carolina," EPA Region IV (June 1993).

16.0 NATURAL RESOURCE TRUSTEE

16.1 Correspondence

1. Cross-Reference: Letter from Barbara Benoy, EPA Region IV, to Tom Augsburger, US Fish and Wildlife Service (January 22, 1992). Concerning request for review of the Work Plan. [Filed and cited as entry number 1 in 3.4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports]
2. Cross-Reference: Letter from Barbara Benoy, EPA Region IV, to James Lee, US Department of the Interior (March 22, 1993). Concerning request for review of the draft Remedial Investigation Report. [Filed and cited as entry number 9 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]
3. Cross-Reference: Letter from Barbara Benoy, EPA Region IV, to James Lee, US Department of the Interior (April 14, 1993). Concerning request for review of the Feasibility Study Report. [Filed and cited as entry number 2 in 4.9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports]
4. Cross-Reference: Letter from James Lee, US Department of the Interior, to Barbara Benoy, EPA Region IV (May 6, 1993). Concerning comments to the draft Feasibility Study Report. [Filed and cited as entry number 3 in 4.9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports]
5. Cross-Reference: Letter from Jon Bornholm, EPA Region IV, to James Lee, US Department of the Interior (June 4, 1993). Concerning request to review the draft Remedial Investigation Report. [Filed and cited as entry number 16 in 3.10 REMEDIAL INVESTIGATION (RI) - Remedial Investigation (RI) Reports]

17.0 SITE MANAGEMENT RECORDS

17.7 Reference Documents

- 0926- 1. "A Field Evaluation of In Situ Microbial Reductive Dehalogenation By the Biotransformation of Chlorinated Ethenes," R.E. Beeman, et al. (Pre-Print) (July 8, 1993). Evaluation of a groundwater remediation technology.

17.8 State and Local Technical Records

- 0952- 1. Facsimile from Julian Foscue, III, North Carolina Department of Human Resources, to Jerry Smith, National Starch and Chemical Corporation (December 28, 1987). Concerning State approval of use of soil removed from Cedar Springs Road plant as fill material for the parking lot expansion.